

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2009/063930

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - A61B 17/04 (2010.01)

USPC - 227/175.1

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - A61B 17/04, 17/10 (2010.01)

USPC - 227/175.1, 179.1, 180.1; 606/219

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008/0190889 A1 (CREWS et al) 14 August 2008 (14.08.2008) entire document	1-15
Y		18-20
Y	US 5,897,562 A (BOLANOS et al) 27 April 1999 (27.04.1999) entire document	16, 18-20
Y	US 5,855,311 A (HAMBLIN et al) 05 January 1999 (05.01.1999) entire document	17
Y	US 7,147,140 B2 (WUKUSICK et al) 12 December 2006 (12.12.2006) entire document	18-20
Y	US 2008/0118244 A1 (RETHY et al) 22 May 2008 (22.05.2008) entire document	19

☐ Further documents are listed in the continuation of Box C.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"A" document member of the same patent family

Date of the actual completion of the international search

04 January 2010

Date of mailing of the international search report

**12 JAN 2010**

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